

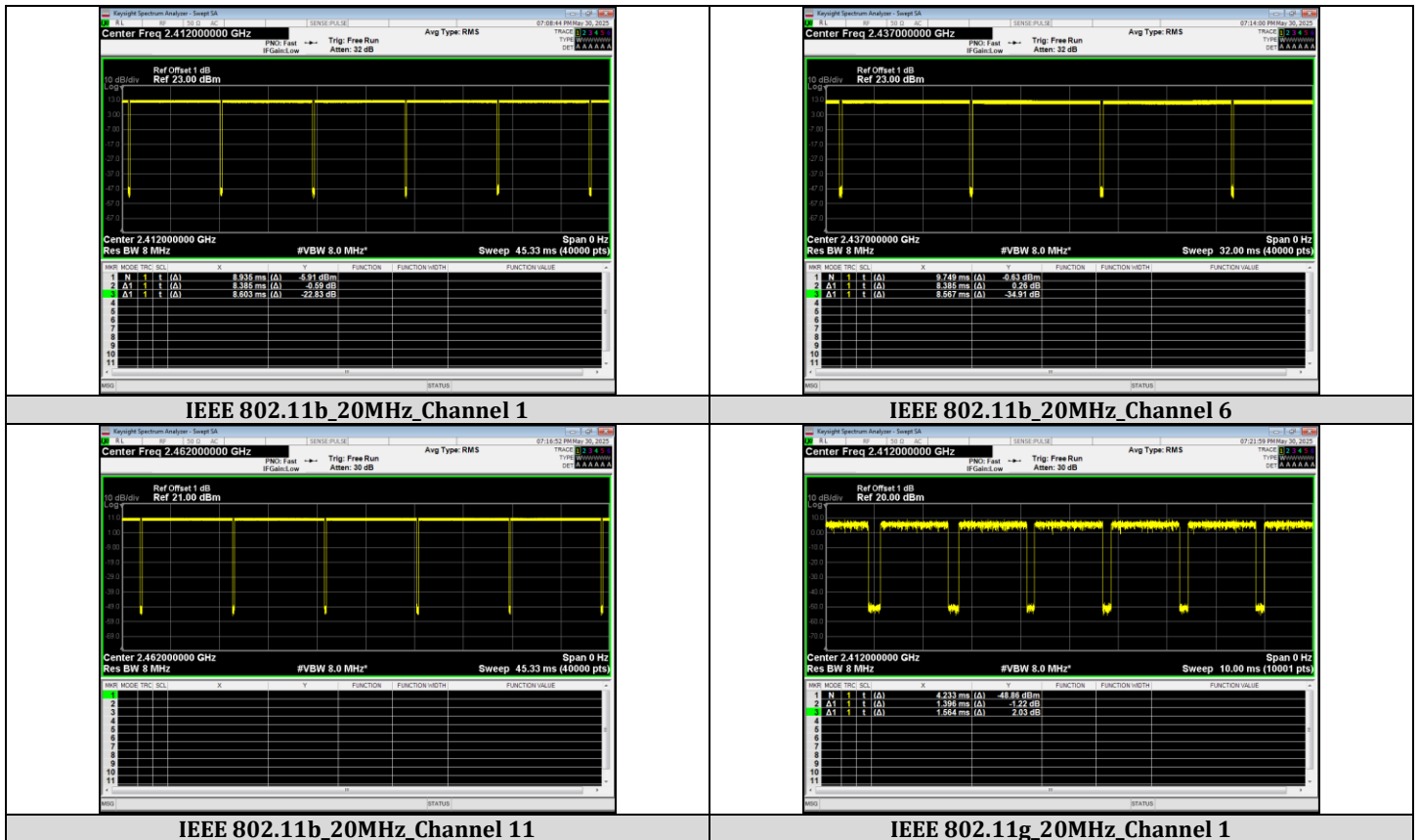


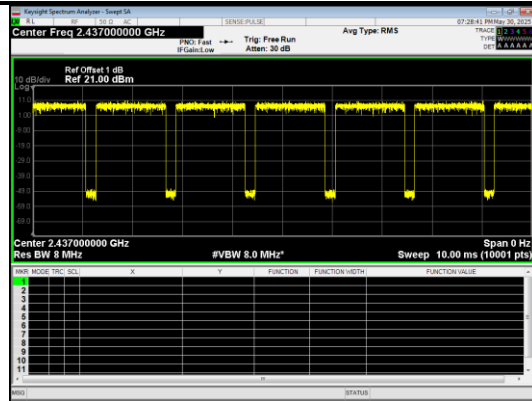
Duty Cycle

Test Result

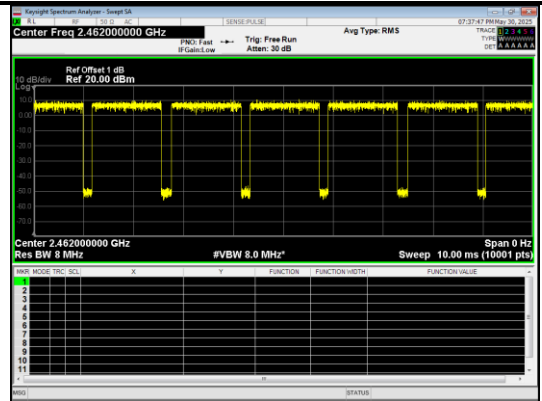
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	0	8.384	8.567	97.87	0.9787	0.0935	0.1193
		6		8.385	8.567	97.87	0.9787	0.0935	0.1193
		11		8.384	8.567	97.87	0.9787	0.0935	0.1193
IEEE 802.11g		1		1.396	1.573	88.75	0.8875	0.5183	0.7163
		6		1.396	1.600	87.25	0.8725	0.5923	0.7163
		11		1.396	1.564	89.26	0.8926	0.4934	0.7163
IEEE 802.11n_20	MCS 0	1		1.178	1.427	82.55	0.8255	0.8328	0.8489
		6		1.178	1.346	87.52	0.8752	0.5789	0.8489
		11		1.177	1.346	87.47	0.8747	0.5814	0.8496
IEEE 802.11n_40		3	0.589	0.829	71.01	0.7101	1.4868	1.6978	
		6	0.589	0.758	77.71	0.7771	1.0952	1.6978	
		9	0.588	0.757	77.70	0.7770	1.0958	1.7007	

Test Graphs

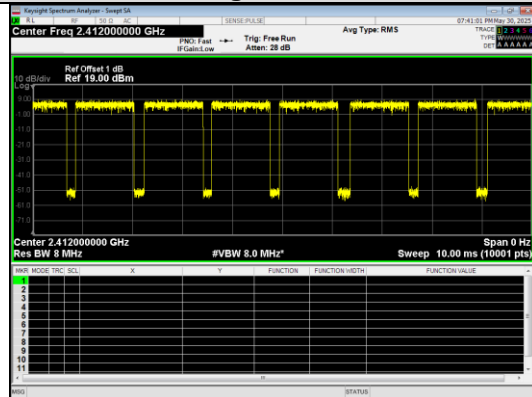




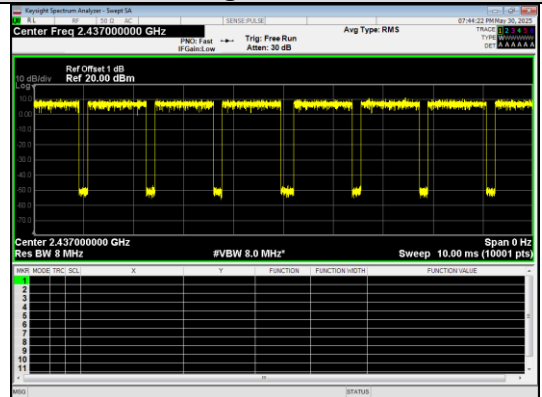
IEEE 802.11g 20MHz Channel 6



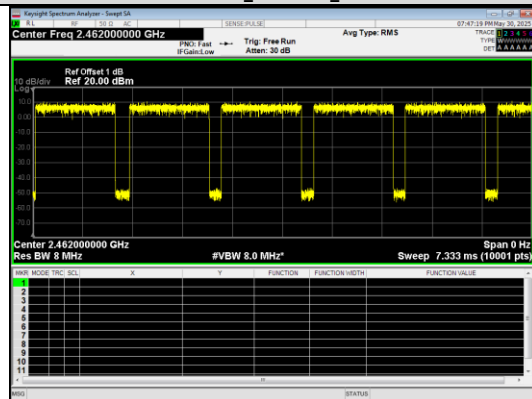
IEEE 802.11g 20MHz Channel 11



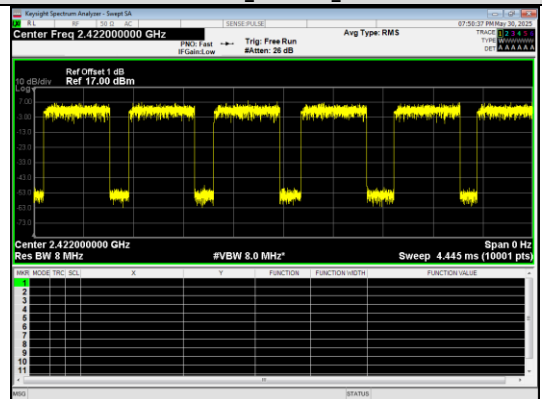
IEEE 802.11n 20MHz Channel 1



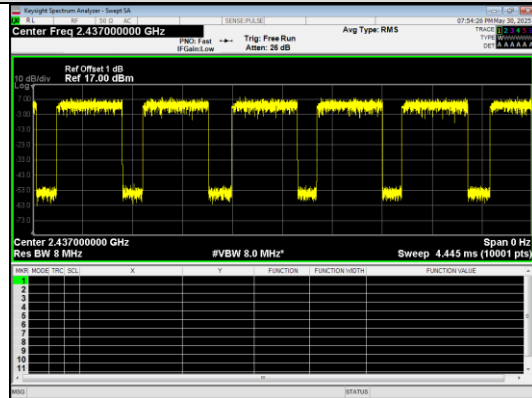
IEEE 802.11n 20MHz Channel 6



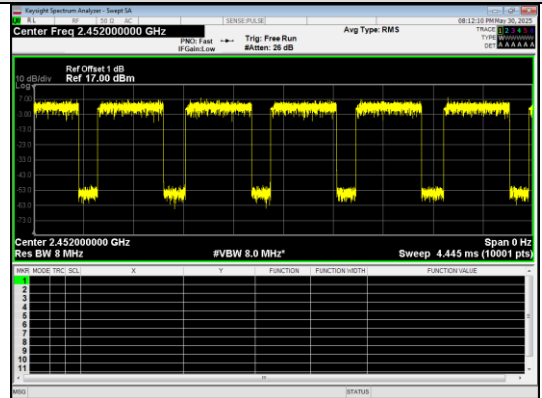
IEEE 802.11n 20MHz Channel 11



IEEE 802.11n 40MHz Channel 3



IEEE 802.11n 40MHz Channel 6



IEEE 802.11n 40MHz Channel 9

**Conducted Output Power****Test Result**

Conducted Output Power

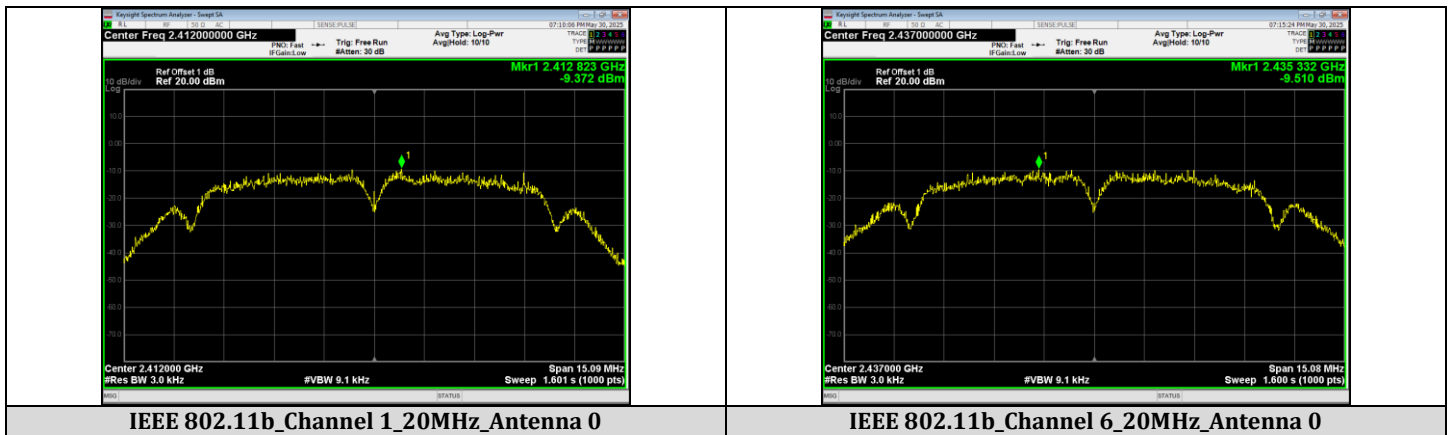
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	15.54	≤30	PASS
	6	15.93	≤30	PASS
	11	13.74	≤30	PASS
IEEE 802.11g	1	15.76	≤30	PASS
	6	17.32	≤30	PASS
	11	16.67	≤30	PASS
IEEE 802.11n_20	1	15.91	≤30	PASS
	6	17.27	≤30	PASS
	11	16.64	≤30	PASS
IEEE 802.11n_40	3	15.53	≤30	PASS
	6	17.13	≤30	PASS
	9	15.96	≤30	PASS

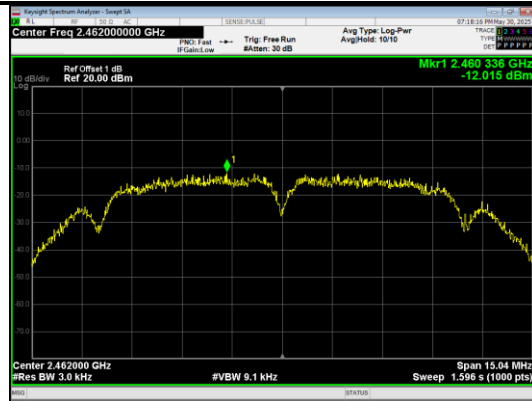
Power Spectral Density

Test Result

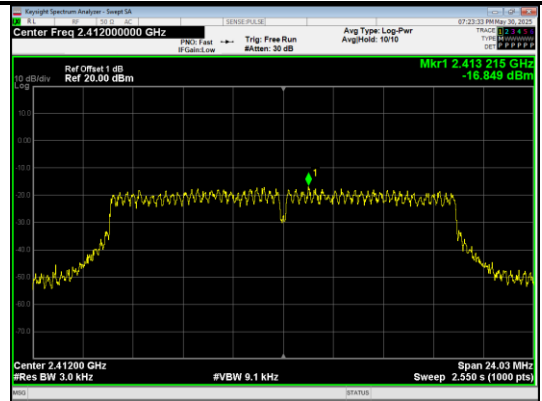
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-9.372	≤8	PASS
	6	-9.510		PASS
	11	-12.015		PASS
IEEE 802.11g	1	-16.849		PASS
	6	-15.004		PASS
	11	-15.502		PASS
IEEE 802.11n_20	1	-16.901		PASS
	6	-14.581		PASS
	11	-16.142		PASS
IEEE 802.11n_40	3	-18.339		PASS
	6	-19.080		PASS
	9	-19.566		PASS

Test Graphs

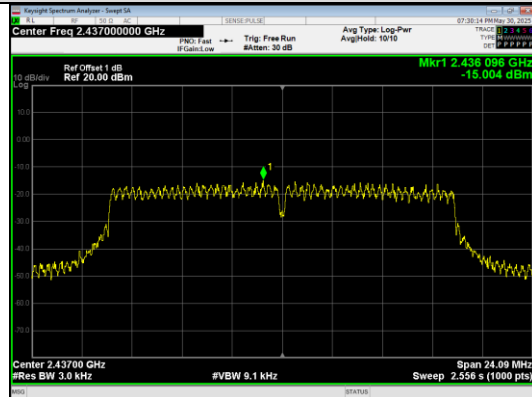




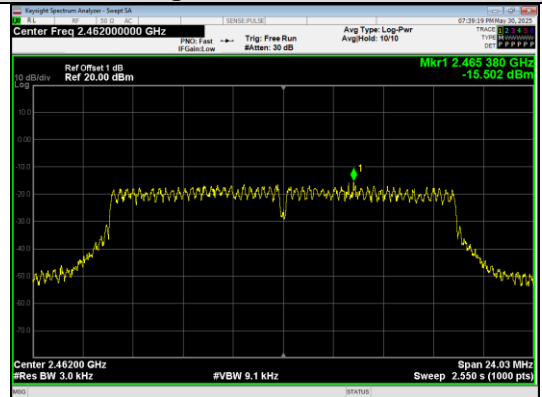
IEEE 802.11b_Channel 11_20MHz_Antenna 0



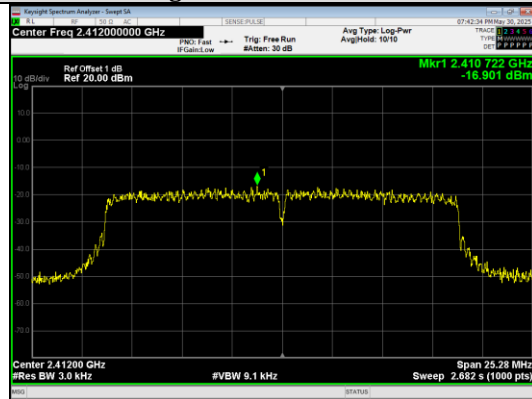
IEEE 802.11g_Channel 1_20MHz_Antenna 0



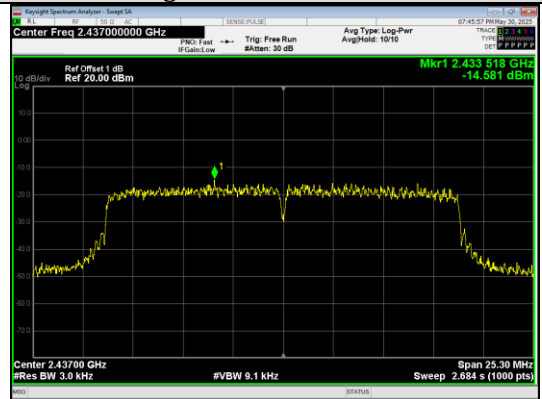
IEEE 802.11g_Channel 6_20MHz_Antenna 0



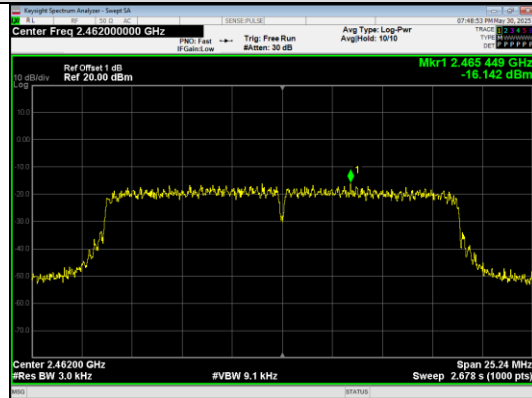
IEEE 802.11g_Channel 11_20MHz_Antenna 0



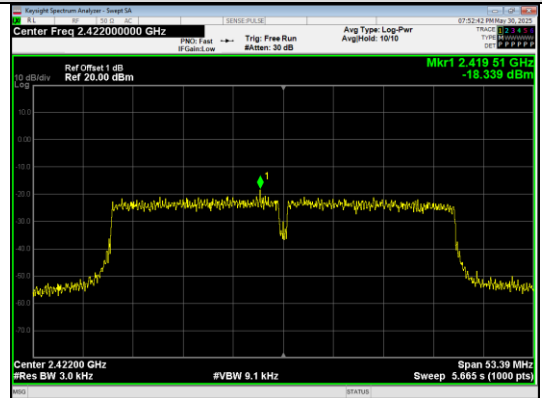
IEEE 802.11n_Channel 1_20MHz_Antenna 0



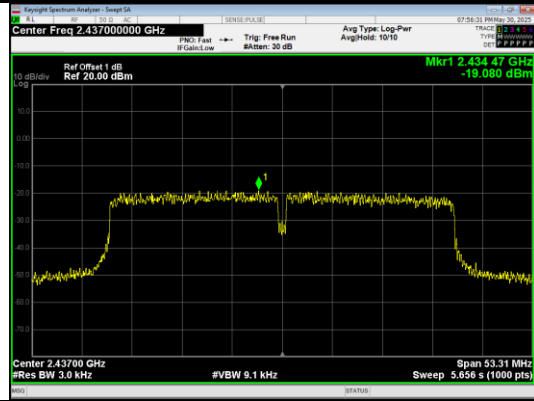
IEEE 802.11n_Channel 6_20MHz_Antenna 0



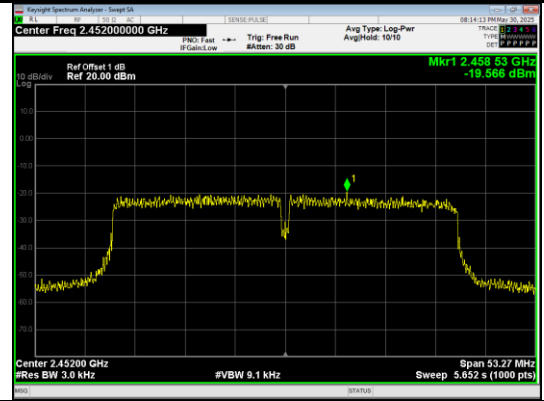
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



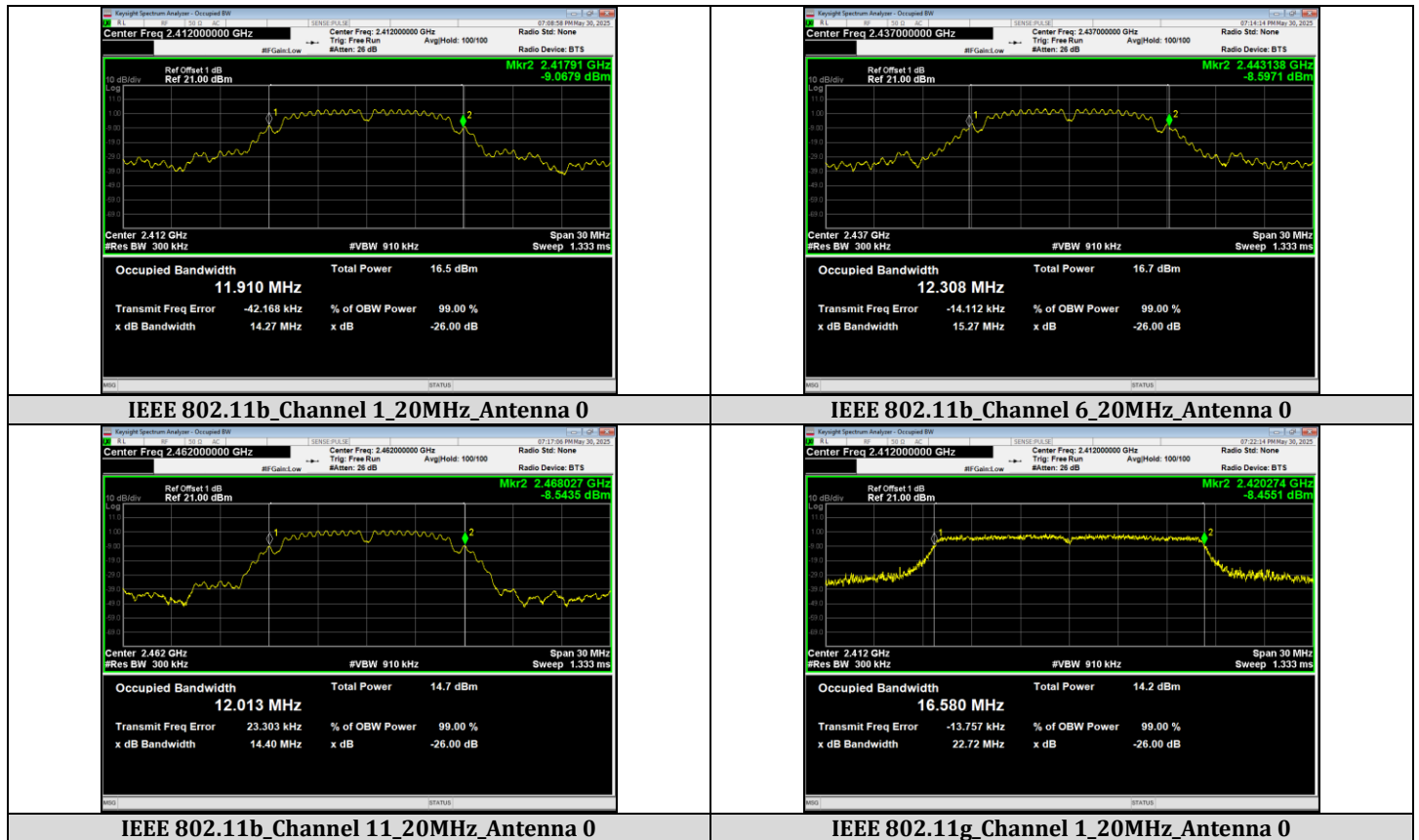
IEEE 802.11n_Channel 6_40MHz_Antenna 0

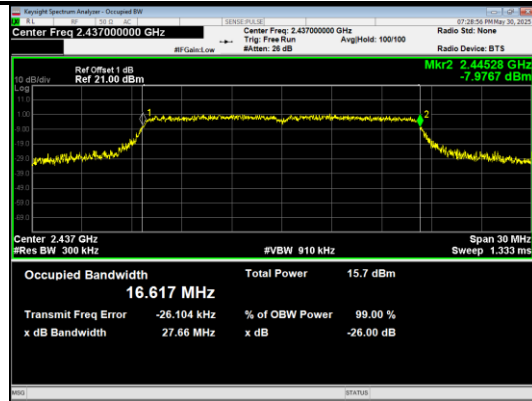


IEEE 802.11n_Channel 9_40MHz_Antenna 0

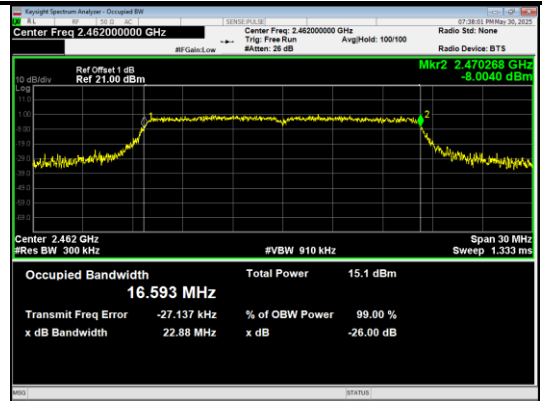
**99% Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	11.910
	6		2437	12.308
	11		2462	12.013
IEEE 802.11g	1		2412	16.580
	6		2437	16.617
	11		2462	16.593
IEEE 802.11n_20	1		2412	17.603
	6		2437	17.598
	11		2462	17.589
IEEE 802.11n_40	3		2422	36.114
	6		2437	36.209
	9		2452	36.091

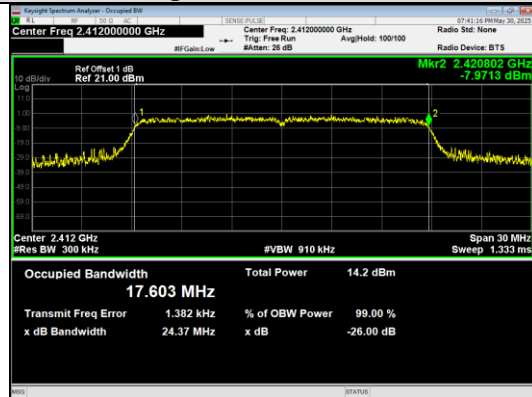
Test Graphs



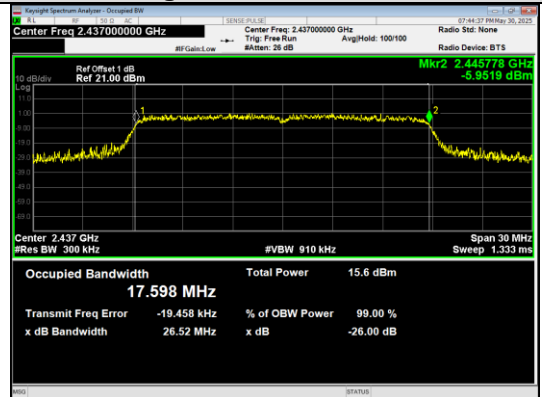
IEEE 802.11g_Channel 6_20MHz_Antenna 0



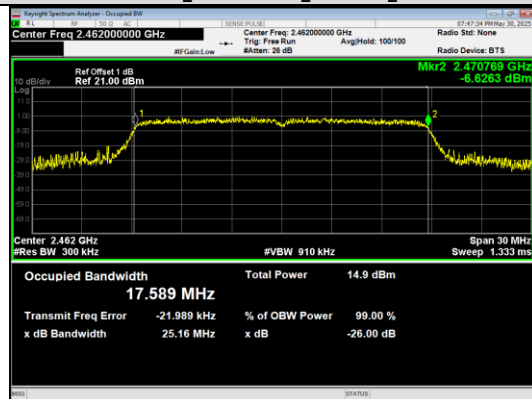
IEEE 802.11g_Channel 11_20MHz_Antenna 0



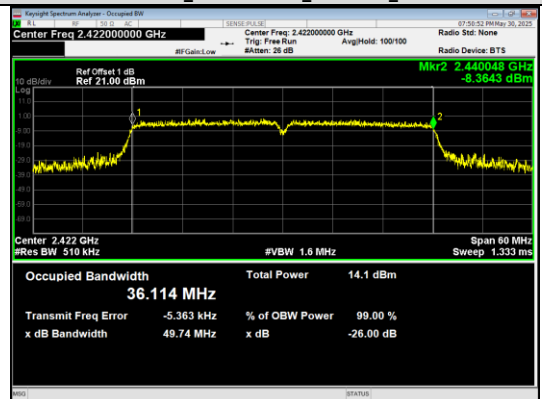
IEEE 802.11n_Channel 1_20MHz_Antenna 0



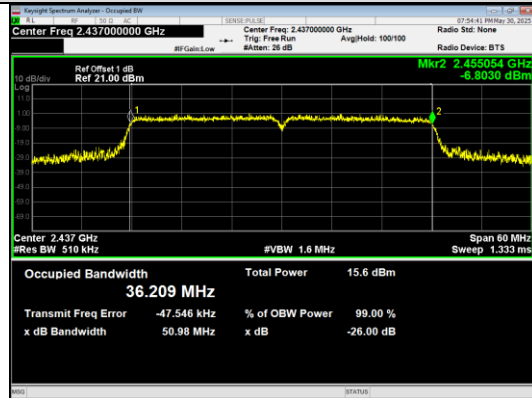
IEEE 802.11n_Channel 6_20MHz_Antenna 0



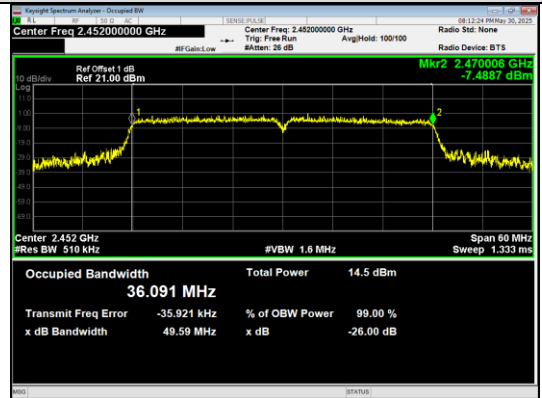
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



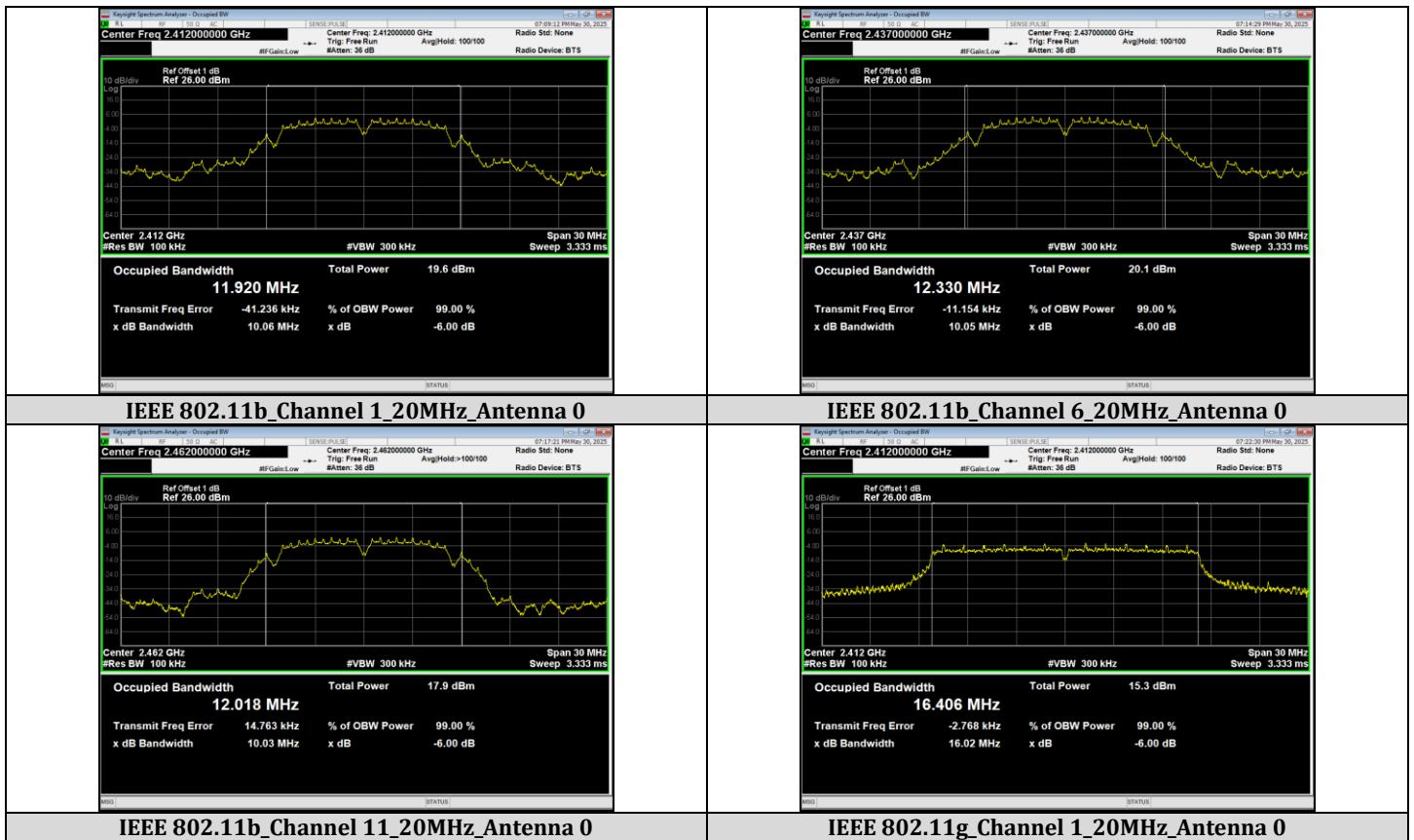
IEEE 802.11n_Channel 9_40MHz_Antenna 0

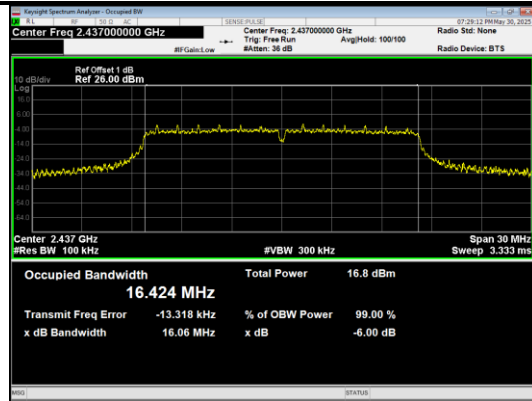
6dB Bandwidth

Test Result

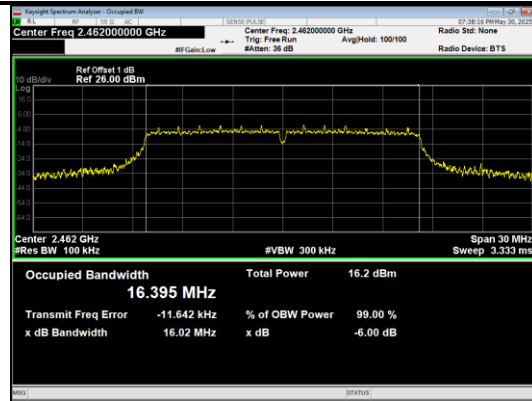
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	10.06	≥0.5	PASS
	6		2437	10.05		PASS
	11		2462	10.03		PASS
IEEE 802.11g	1		2412	16.02		PASS
	6		2437	16.06		PASS
	11		2462	16.02		PASS
IEEE 802.11n_20	1		2412	16.85		PASS
	6		2437	16.87		PASS
	11		2462	16.83		PASS
IEEE 802.11n_40	3		2422	35.59		PASS
	6		2437	35.54		PASS
	9		2452	35.51		PASS

Test Graphs

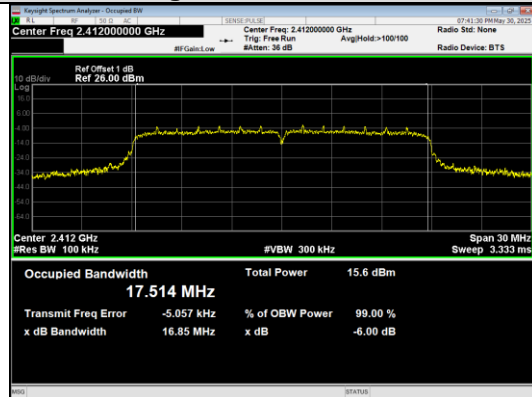




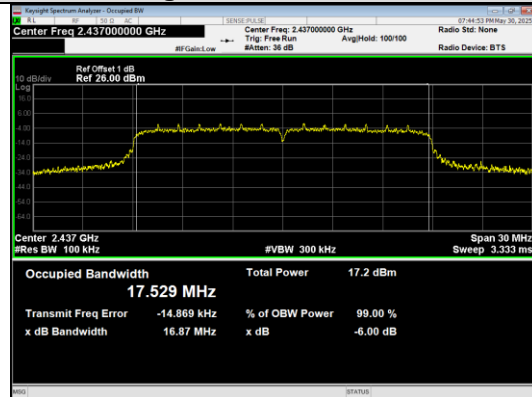
IEEE 802.11g_Channel 6_20MHz_Antenna 0



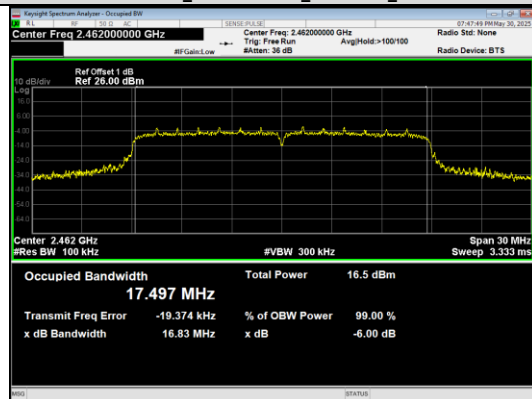
IEEE 802.11g_Channel 11_20MHz_Antenna 0



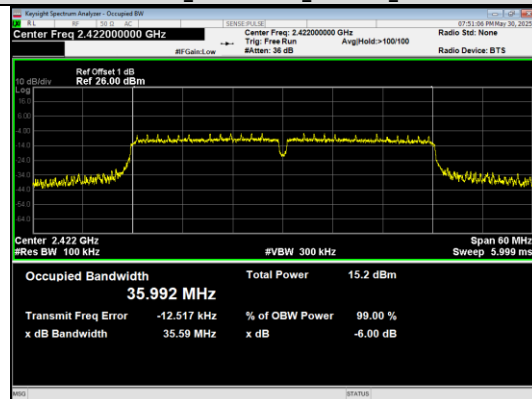
IEEE 802.11n_Channel 1_20MHz_Antenna 0



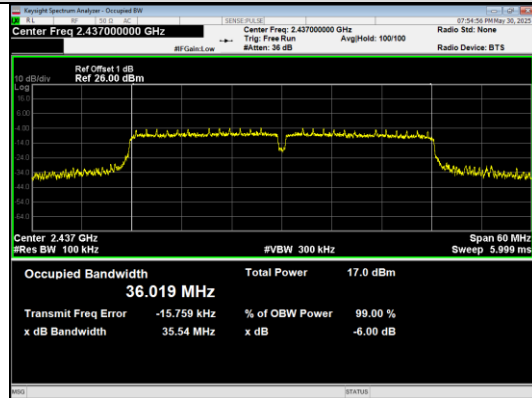
IEEE 802.11n_Channel 6_20MHz_Antenna 0



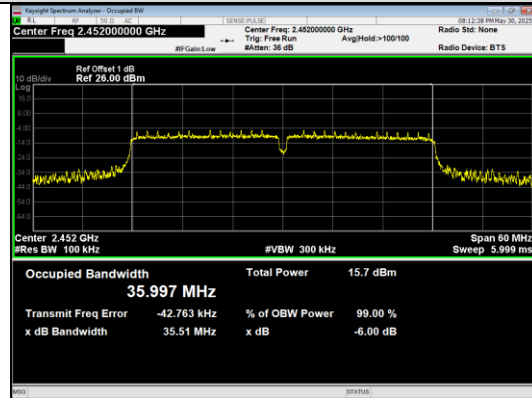
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



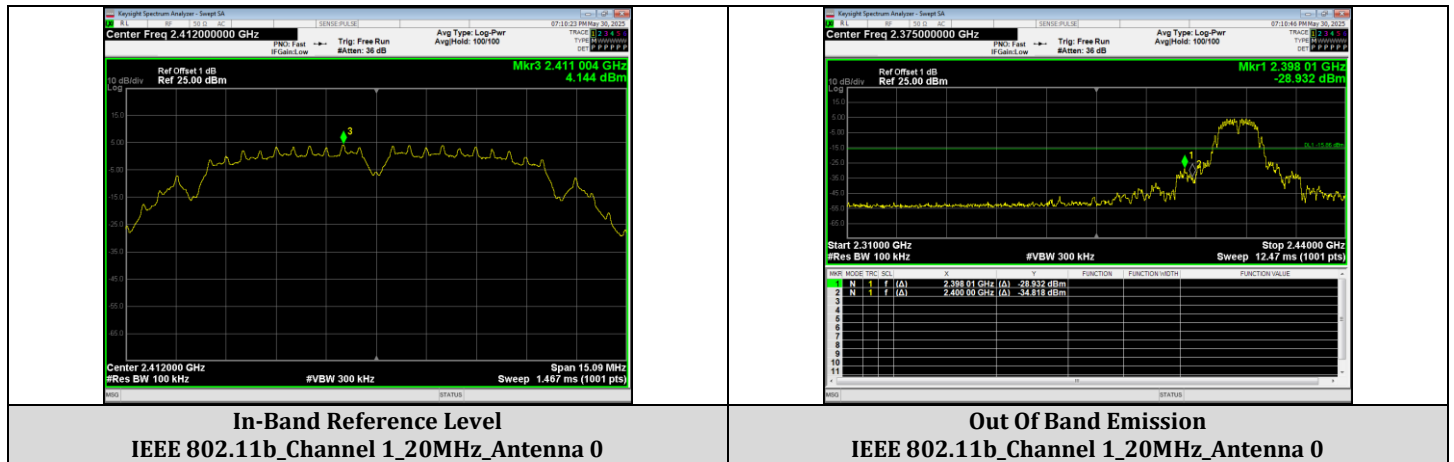
IEEE 802.11n_Channel 9_40MHz_Antenna 0

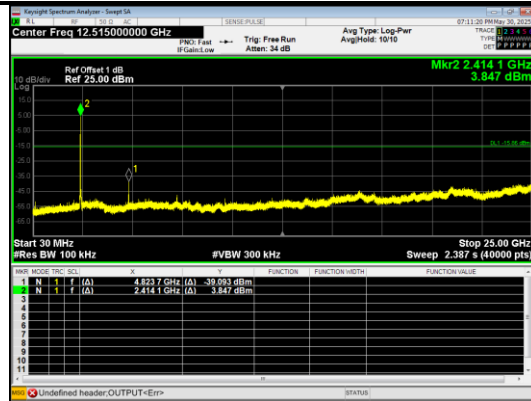
Conducted Out Of Band Emission

Test Result

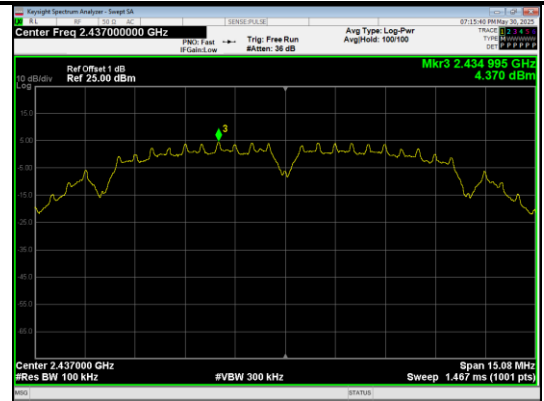
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2398.01	-28.932	-15.86	-13.072	PASS
			2400.00	-34.818	-15.86	-18.958	PASS
	6		4823.70	-39.093	-15.86	-23.233	PASS
	11		4874.30	-36.312	-15.63	-20.682	PASS
			2483.50	-49.176	-18.04	-31.136	PASS
	4924.24		-38.957	-18.04	-20.917	PASS	
IEEE 802.11g	1		2398.14	-32.929	-22.0	-10.929	PASS
			2400.00	-33.728	-22.0	-11.728	PASS
	6		24959.4	-39.829	-22.0	-17.829	PASS
	11		24320.2	-39.472	-20.77	-18.702	PASS
			2483.50	-45.940	-20.96	-24.980	PASS
	2647.55		-36.478	-20.96	-15.518	PASS	
IEEE 802.11n_20	1		2400.00	-32.550	-21.81	-10.740	PASS
			24342.6	-40.361	-21.81	-18.551	PASS
	6		2640.68	-35.323	-20.35	-14.973	PASS
	11		2483.50	-43.313	-21.07	-22.243	PASS
			2627.57	-30.640	-21.07	-9.570	PASS
	2400.00		-33.059	-25.42	-7.639	PASS	
IEEE 802.11n_40	3		3499.04	-36.014	-25.42	-10.594	PASS
			2643.18	-29.536	-23.75	-5.786	PASS
	6		2483.50	-40.421	-24.94	-15.481	PASS
			24927.0	-40.248	-24.94	-15.308	PASS

Test Graphs

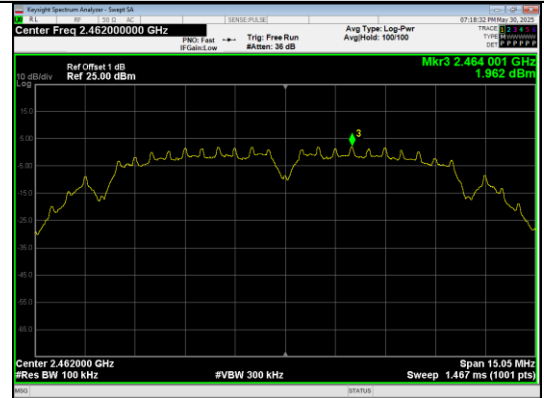
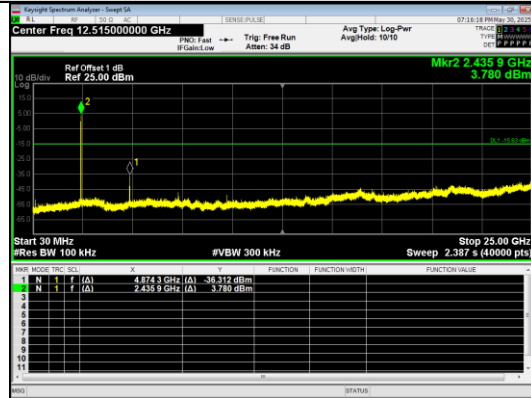




30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0

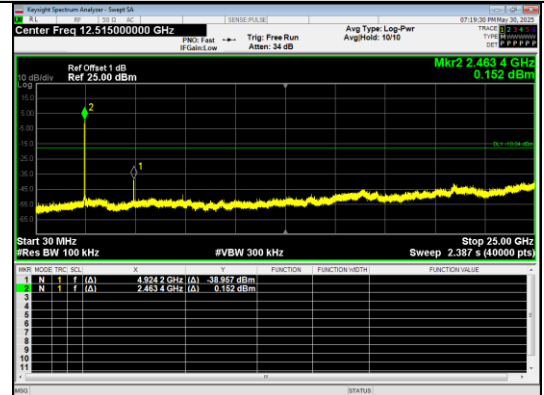
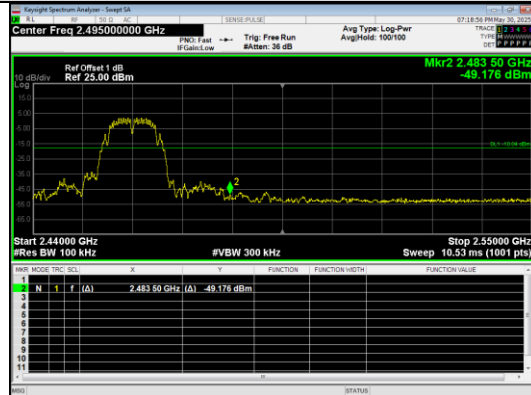


In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



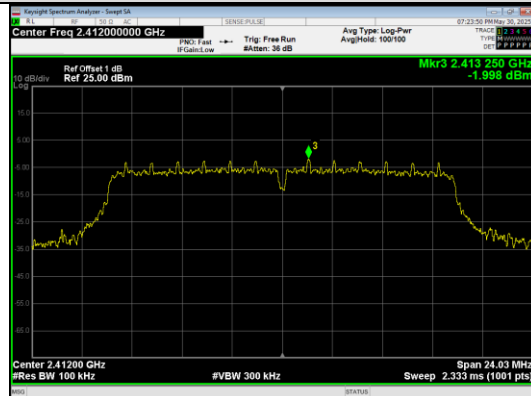
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0

In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0

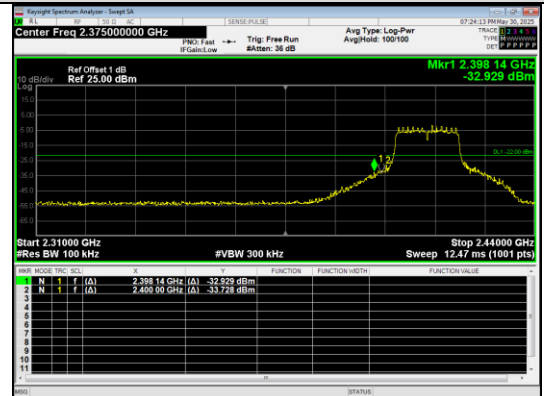


Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0

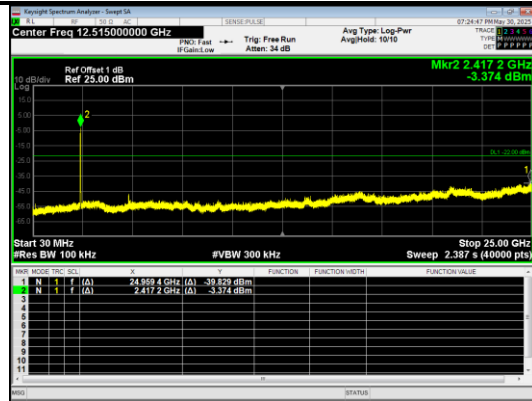
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



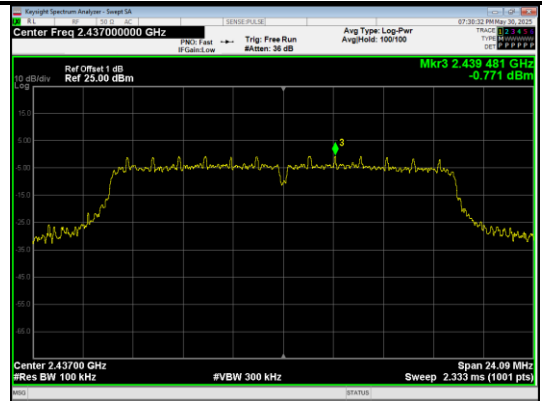
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



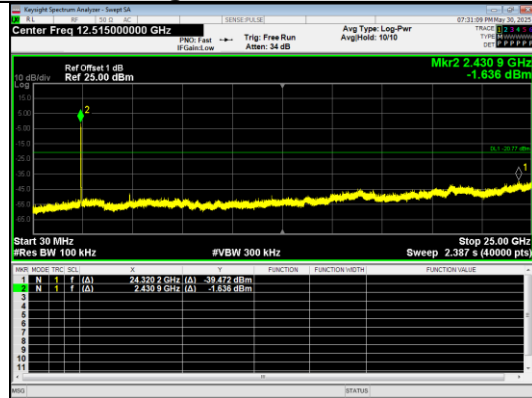
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



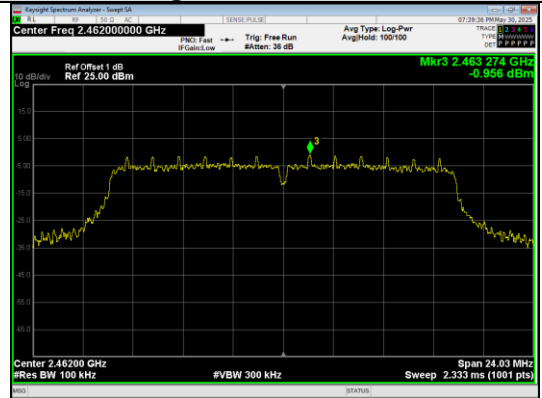
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



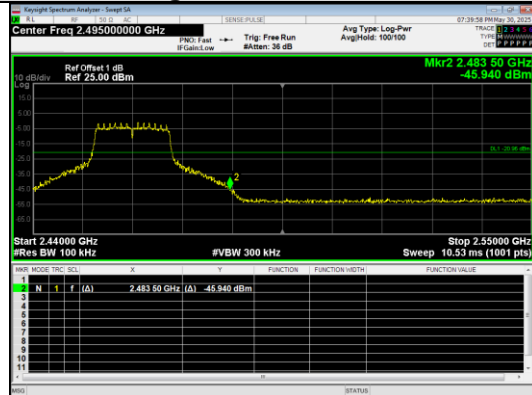
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



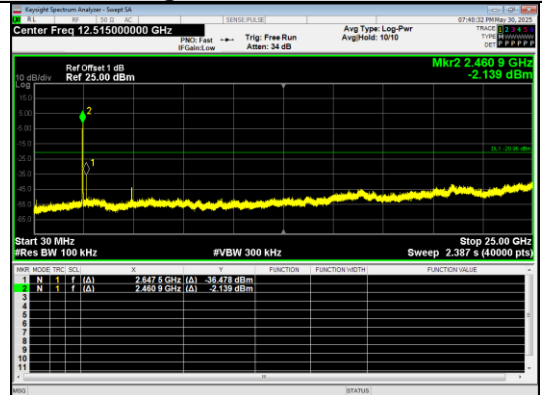
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



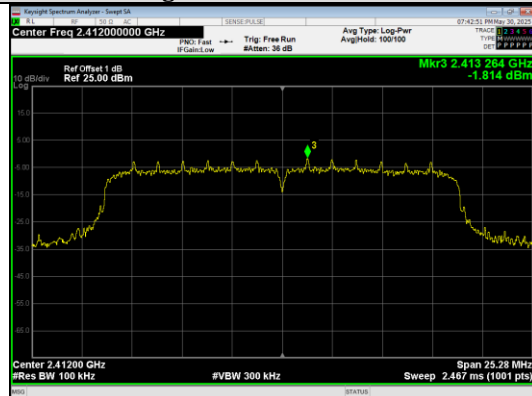
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



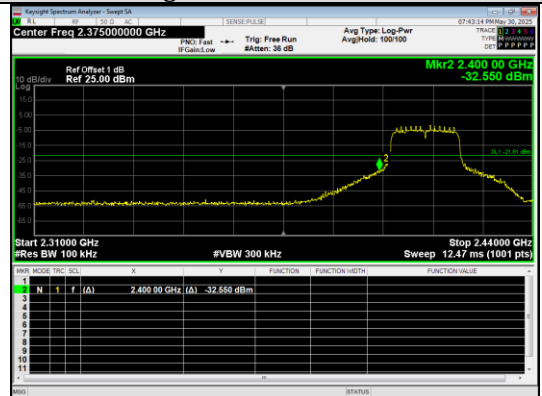
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



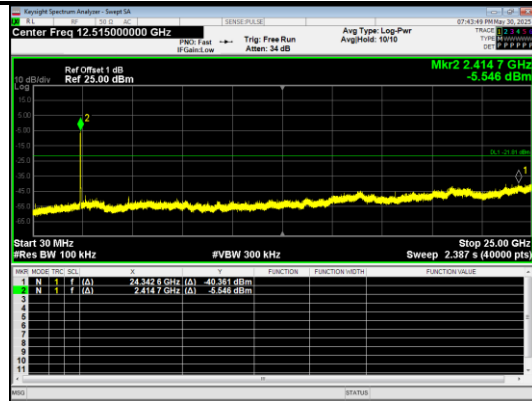
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



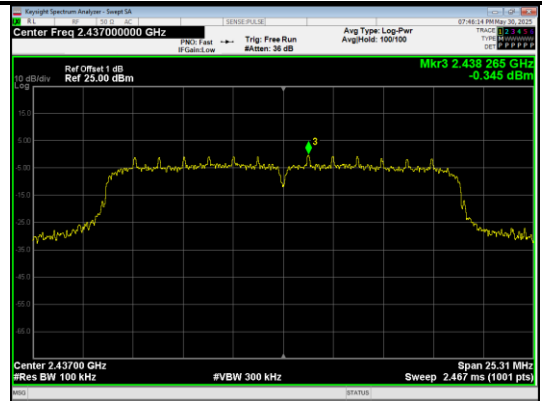
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



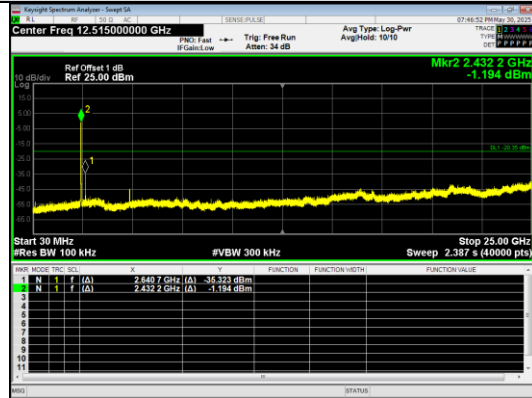
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



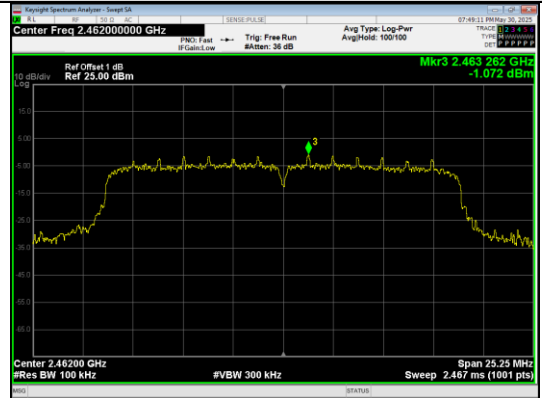
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



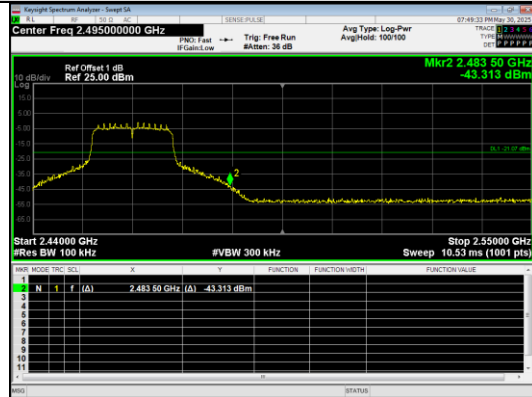
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



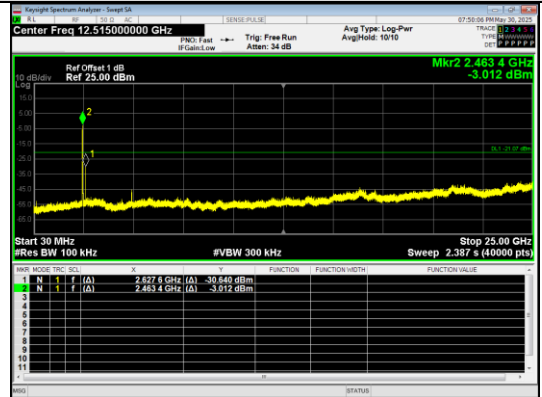
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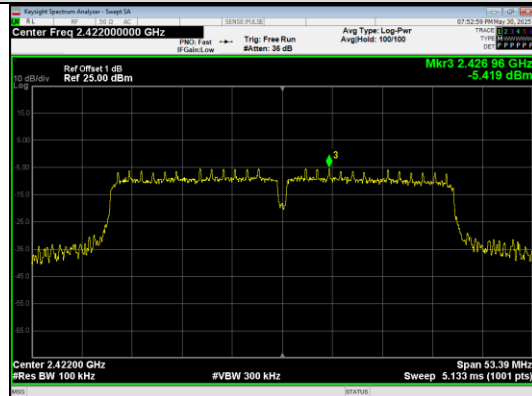
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



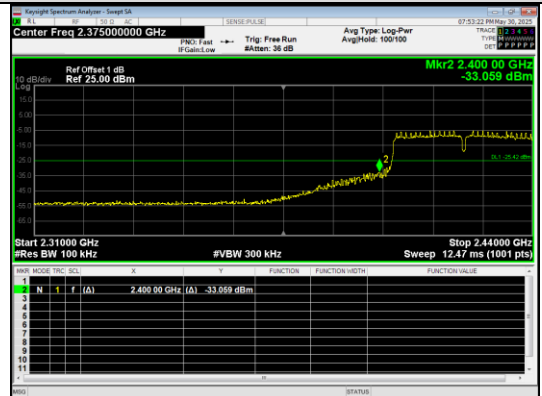
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



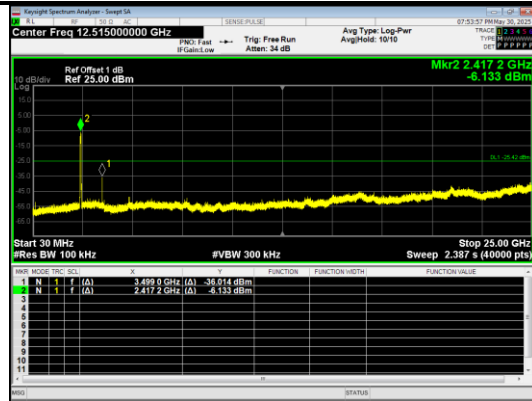
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



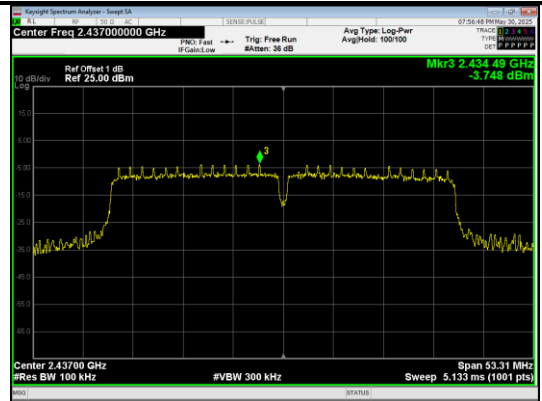
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



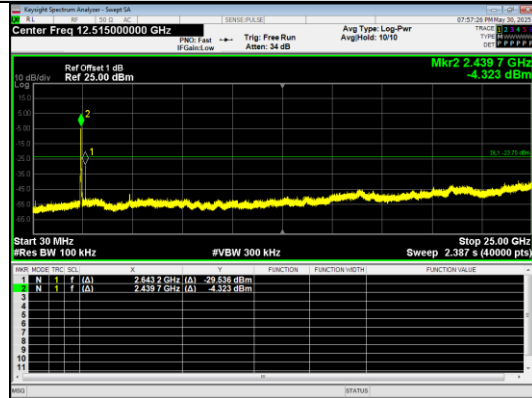
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



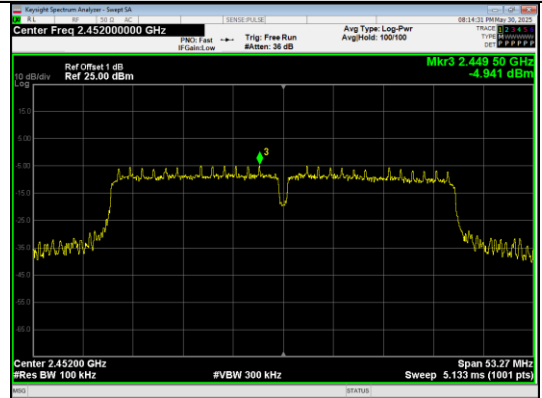
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IEEE 802.11n_Channel 3_40MHz_Antenna 0



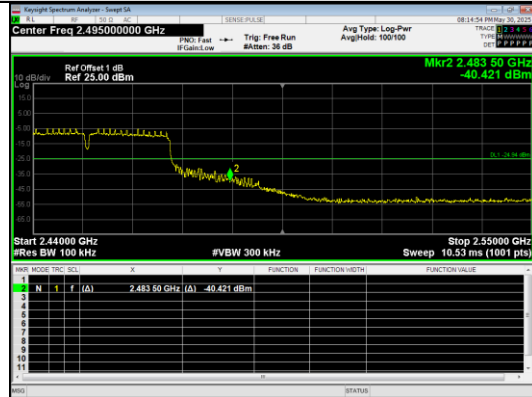
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



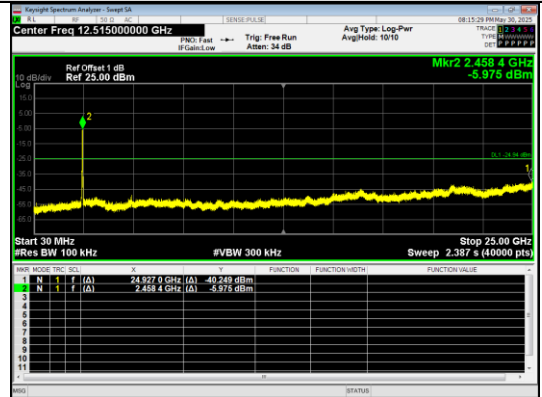
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 9_40MHz_Antenna 0

***** End of Report *****